AMENDMENTS TO THE CLAIMS

The listing below of the claims presents in amended form claims 1 through 7 that were filed in the corresponding PCT application. The following claims replace all prior versions and listings of claims in the present application:

Listing of Claims:

Claim 1 (currently amended): A method relating to identification systems in which a transponder (1) reflects an inquiry signal (10) from a communicator (4), where , said method comprising the steps of:

modulating a reflected signal (11) has been modulated from the transponder with data that can be read by a the communicator (4), and

where including in said modulated data-carrying modulation includes signal reflected by the transponder a check sum calculated on the basis of data stored in the a memory (3) of the transponder, characterized by causing and

permanently storing the check sum to be permanently stored in the transponder memory.

Claim 2 (currently amended): A method according to claim, 1, characterized by causing the including the step of calculating in the communicator a check sum to be calculated on the basis of an a first algorithm which is identical for a first group of transponders and that is different in comparison with from an algorithm used for other groups of transponders.

-3-

Claim 3 (currently amended): A method according to ~~any one of claims 1 or 2, where~~ claim 2, wherein the calculation on the basis of the first algorithm ~~is caused to take~~ takes place in the communicator (4) with each reading of a transponder (1); and ~~wherein~~ including the step of comparing the calculated check sum ~~is compared~~ with the stored transponder check sum ~~transferred by means of~~ transmitted with the reflected signal (11).

Claim 4 (currently amended): A method according to ~~any one of claims 1 to 3 inclusive~~ claim 1, wherein the calculation of the check sum in the communicator (4) does not include the transponder check sum ~~transferred from~~ transmitted by the transponder (1).

Claim 5 (currently amended): A method according to ~~any one of claims 1 to 3 inclusive~~ claim 1, wherein the calculation of the check sum in the communicator (4) includes the transponder check sum ~~transferred from~~ transmitted by the transponder (1).

Claim 6 (currently amended): A transponder comprising: at least one antenna (2), at least one memory (3), and at least one means for reflecting and modulating an inquiry signal (10) received from a communicator (4), wherein said reflected signal (11) includes a data-carrying modulation, wherein the reflected signal ~~(11) can be~~ is read by a ~~the~~ communicator (4), and wherein said data-carrying modulation includes a check sum calculated on the basis of data stored in the transponder memory ~~(3), characterized in~~

that , wherein the transponder (1) includes a check sum stored permanently in the transponder memory (3).

Claim 7 (currently amended): A transponder according to claim 5, characterized in that wherein the stored check sum stored in the transponder is calculated on the basis of an using a first algorithm that is identical for a first group of transponders and that is different in comparison with from an algorithm used for other groups of transponders.